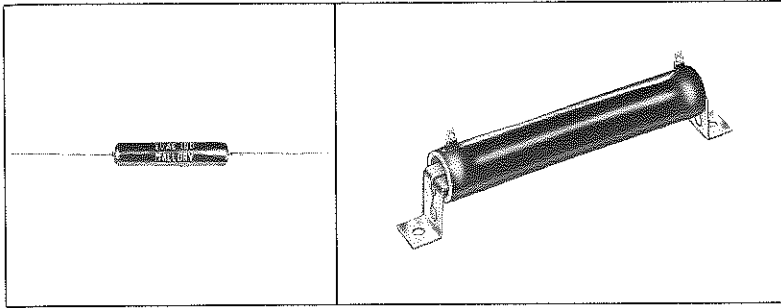


Power Resistors



Fixed and Adjustable Wirewound

Highlights:
 Power Ratings: 3 watts to 225 watts
 Leadless types furnished with hardware
 Resistance: 1 Ω to 100 K Ω
 Coating: Vitreous enamel
 Adjustable vitreous wire wound available

TYPE AE WIRE-WOUND RESISTORS AXIAL LEAD VITREOUS ENAMEL COATED

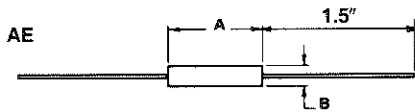
Mallory type AE wire-wound resistors have axial leads and a tough vitreous enamel coating. Available in three power ratings: 3, 5 and 10 watts.
To order: use type number followed by resistance value (e.g., 3AE4000).

Specifications
 Tolerance ± 5%
 Temperature Coefficient
 0 ± 30 ppm/°C 10 ohms and above.
 0 ± 50 ppm/°C 1 to 9.99 ohms.
 Dielectric Withstanding Voltage
 1000 VAC.

Overload 10X rated wattage for 5 sec. for 5 watt size and larger. 5X rated wattage for 5 sec. under 5 watt size.

		Ohms							
5-WATT TYPE 5AE	1.0	10	30	82	220	470	1500	3000	5000
	1.5	12	33	100	250	500	1800	3300	6000
	2.0	15	35	125	300	750	2000	3500	7500
	3.0	20	40	150	330	820	2200	3900	10,000
	4.0	22	47	180	400	1000	2500	4000	12,000
	5.0	25	50	200	450	1200	2700	4700	20,000
	7.5	27	75						
10-WATT TYPE 10AE	1.0	7.5	30	75	220	750	2000	4700	15,000
	1.5	10	33	100	300	800	2500	5000	20,000
	2.0	15	35	125	350	1000	3000	5600	25,000
	3.0	20	47	150	390	1200	4000	6000	40,000
	4.0	22	50	200	500	1750	4500	10,000	50,000
	5.0	25	68						

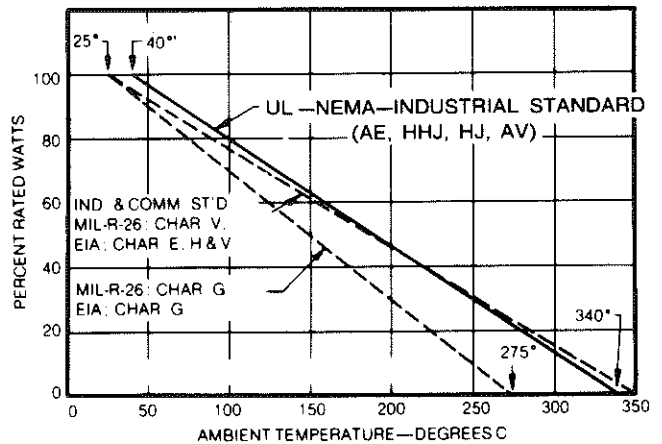
		Ohms							
3-WATT TYPE 3AE	1.0	5.0	27	75	150	270	500	1200	3300
	1.5	7.5	30	82	180	400	600	1500	4000
	2.0	10	33	100	200	450	680	2700	5000
	3.0	15	50	120	250	470	1000	3000	10,000
	4.0	25	56	125					



TYPE AE RESISTOR SIZES

Diameter	Length	Lead	Catalog No.
1/4"	3/16"	#20	3AE
1/4"	1"	#20	5AE
11/32"	1 51/64"	#20	10AE

Derating (AE, HHJ, HJ, AV)



Types HHJ, HJ, AV

To Order: Use type number followed by resistance value (e.g., 1HJ10, 1AV10).

Specifications
 Tolerance ± 5% HJ, ± 10% AV
 Temperature Coefficient
 0 ± 400 ppm/°C 1 ohm to 20 ohms
 0 ± 260 ppm/°C above 20 ohms.
 Dielectric Withstanding Voltage
 Measured from terminal to mounting bracket

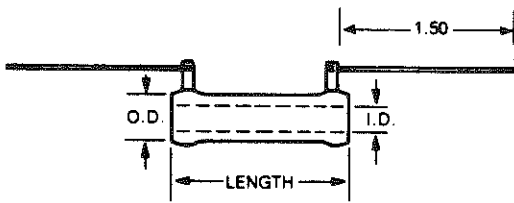
12 to 100 watts size, 1000 volts AC.
 175 and 225 watts size, 3000 volts AC.
 Overload 10 times rated wattage for 5 sec.
 Core Tubular ceramic.
 Coating Vitreous Enamel.

MOUNTING FEET (For HHJ, HJ, AV types)

Fits Type	Catalog No.
8, 12 watt	5
20 watt	7
25, 50 watt	9
100 watt	12
175, 225 watt	18

Power Resistors

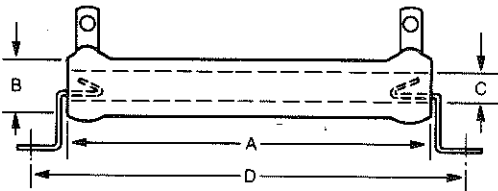
FIXED VITREOUS TYPE HHJ AND HJ RESISTORS (Tol. ± 5%)



HHJ thru 2HJ

DIMENSIONS (Inches)

Type	Length	O.D.	I.D.
HHJ	1.000	0.313	0.188
1HJ	1.750	0.313	0.188
2HJ	2.000	0.438	0.250



2.5HJ thru 20HJ

8-WATTS TYPE HHJ	Ohms								
	1.0	1.5	2.0	4.0	5.0	7.5	10	15	20
10	40	225	500	1000	2250	4500	10,000		
15	50	250	600	1100	2500	5000	12,500		
20	75	300	700	1200	3000	6000	15,000		
25	100	350	750	1250	3500	7000	20,000		
30	150	400	800	1500	4000	7500	25,000		
35	200	450	900	2000					

12-WATT TYPE 1HJ	Ohms								
	1.0	1.5	2.0	3.0	4.0	5.0	7.5	10	15
25	50	225	500	1000	2500	5000	13,500		
30	100	250	600	1500	3000	7500	15,000		
35	150	300	750	1750	4000	10,000	20,000		
40	200	400	1000	2000	5000	12,500	50,000		
20									

20-WATT TYPE 2HJ	Ohms								
	1.0	3.0	5.0	7.5	10	15	20	25	30
150	700	1200	2000	5000	10,000	15,000			
400	750	1250	3000	6000	12,500	25,000			
500	1000	1500	4000						

25-WATT TYPE 2.5HJ	Ohms								
	1.0	2.0	3.0	4.0	5.0	7.5	10	15	20
25	75	150	250	500	1000	2500	10,000		
50	100	200	500	1500	5000	10,000	20,000		
15									

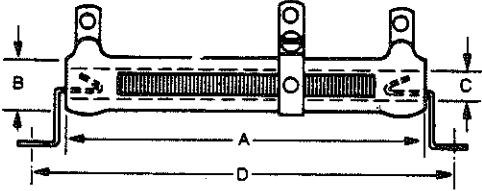
50-WATT TYPE 5HJ	Ohms								
	1.0	2.0	3.0	4.0	5.0	7.5	10	15	20
25	100	150	500	1500	5000	10,000	25,000		
50	150	250	1000	2500	5000	10,000	25,000		

100-WATT TYPE 10HJ	Ohms				
	1.0	2.0	4.0	5.0	10
50	75	150	250	500	1000
100	100	200	500	1500	5000

175-WATT TYPE 16HJ	Ohms				
	1.0	2.0	4.0	5.0	10
100	75	150	250	500	1000
1000					
100,000					

225-WATT TYPE 20HJ	Ohms				
	1.0	2.0	3.0	4.0	5.0
25	100	150	500	1000	25,000
50	150	250	1000	2500	50,000

ADJUSTABLE VITREOUS TYPE AV RESISTORS (Tol. ± 10%)



1AV thru 20AV

DIMENSIONS (Inches)

Type	A	B	C	D
1AV	1.75	.313	.188	2.19
2.5HJ, 2AV	2.00	.562	.313	2.75
5HJ, 5AV	4.00	.562	.313	4.75
10HJ, 10AV	6.50	.750	.500	7.38
16HJ	8.50	1.125	.750	9.38
20HJ, 20AV	10.50	1.125	.750	11.38

12-WATT TYPE 1AV	Ohms		
	20	50	10,000
2000	2250	2500	
5000			

25-WATT TYPE 2AV	Ohms								
	1.0	2.0	3.0	5.0	7.5	10	15	25	50
100	150	250	500	1000	2500	5000	10,000		
3000									

50-WATT TYPE 5AV	Ohms								
	1.0	2.0	3.0	5.0	7.5	10	15	25	50
200	300	500	1000	2500	5000	10,000	20,000		
1000									

100-WATT TYPE 10AV	Ohms		
	1.0	2.0	5.0
50	100	250	500
100			

225-WATT TYPE 20AV	Ohms		
	1.0	2.0	5.0
25	50	250	500
1500			

NOTE: HHJ, HJ, and AV resistors are supplied less mounting feet when packaged bulk. To order use catalog number listed on previous page.

ADJUSTABLE CLIPS

Fits Type	Catalog No.	Fits Type	Catalog No.
1AV	2115	10AV	2125
2AV, 5AV	2121	20AV	2133

RESISTOR/CONTROL PRODUCTS